

<p>Mizumachi, Kunihiko. ANION EXCHANGE OF THE MERCURY (II) CHLORO COMPLEX. Rep. no. 1 [of] Anion Exchange Equilibrium of Metal. [1963] 27p. (figs. omitted) 41 refs. Order from SLA \$2.60 63-14017 Trans. of Nihon Kagaku Zasshi (Japan) 1962, v. 83, no. 1, p. 61-67.</p> <p>DESCRIPTORS: *Complex compounds, *Mercury compounds, Lithium compounds, Chlorides, Hydrochloric acid, *Ion exchange, Chemical equilibrium, Methyl radicals, Butyl radicals, Ketones.</p> <p>Exchange equilibria of various metal anions in a mixture of hydrochloric acid-lithium chloride solutions were measured at 25°C. Equations were derived for calculating the anion exchange equilibrium constants, various equilibrium constants in the solution, and ratios (Chemistry--inorganic, TT, v. 10, no. 7) (over)</p>	<p>63-14017 I. Mizumachi, K. II. Title: Anion...  A247485  Office of Technical Services</p>	
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Mizumachi, Kimihiko.  
ANION EXCHANGE OF COBALT (II) COPPER (II),  
AND ZINC (II) CHLORO COMPLEXES, Rept. no. 2  
[of] Anion Exchange Equilibrium of Metal. [1963] 24p.  
(Eng. omitted) 25 refs.  
Order from SLA \$2.60

63-14019

Trans. of Nihon Kagaku Zasshi (Japan) 1963, v. 83,  
no. 1, p. 67-72.

DESCRIPTORS: \*Complex compounds, \*Cobalt com-  
pounds, \*Copper compounds, \*Zinc compounds,  
Mercury compounds, Lithium compounds, \*Chlorides,  
Hydrochloric acid, \*Ion exchange, Chemical  
equilibrium.

The distribution coefficients of cobalt (II), copper (II)  
and zinc (II) between a hydrochloric acid-lithium  
chloride mixture and anion exchange resins were  
measured at 25°C. The distribution coefficient is  
(Chemistry-Inorganic, TT, v. 10, no. 7) (over)

63-14019

I. Mizumachi, K.  
II. Title: Anion ...

1247486

Office of Technical Services

Mizumachi, Kunihiko.  
ANION EXCHANGE OF THE CHLORO COMPLEX  
IONS OF TELLURIUM (IV). *Rep. no. 3 [of] Anion  
Exchange Equilibrium of Metal.* [1963] 16p. (figs.  
omitted) 11 refs.  
Order from SLA \$1.60

63-14018

Trans. of Nihon Kagaku Zasshi (Japan) 1962, v. 83,  
no. 1, p. 73-76.

DESCRIPTORS: "Complex compounds," Tellurium  
compounds, Lithium compounds, Chlorides, Hydro-  
chloric acid, Ion exchange, Chemical equilibrium,  
Acid-base equilibrium.

The distribution coefficient of tellurium (IV) from a  
hydrochloric acid-lithium chloride mixture with anion  
exchange resins was measured at 25°C. The distribu-  
tion coefficient has a larger value generally when the  
(Chemistry--Inorganic, TT, v. 10, no. 7) (over)

63-14018  
I. Mizumachi, K.  
N. Title: Anion...

1247283

Office of Technical Services

Heat-Treatment of Silicon Steel Sheets, by T. Takai,  
H. Mizuno, Y. Haga. UNCL

JAPANESE, per, Rep Sci Res Inst, Vol XXXI, 1955,  
pp 363-371.

British Iron and Steel Iron  
(no ~~ISI~~ number given)

Sci - Min/Met  
Sep 59

98, 409

On Anomalous Dispersion and Absorption of Electric  
Waves at Polarized Electrodes, by S. Mizuno and S.  
Tashima, 6 pp.

JAPANESE, per, J Electrochem, Sci Japan, Vol XVIII, #  
1950, pp 215-~~216~~ 217. (Loan Copy Only)

SLA 57-3011

Sci

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Mizuno, S. and Toshima, S.  
THE ELECTROLYSIS OF BRINE WATER WITH A  
MERCURY JET CATHODE. [1963] [20p]  
Order from SLA \$1.60 TT-64-14360

Trans. of Denki Kagaku (Japan) 1959, v. 27, p. 391-394.  
(Abstract available)

DESCRIPTORS: \*Electrochemistry, \*Sea water,  
\*Sodium compounds, Chlorides, Impurities,  
Electrolysis, \*Cathodes (Electrolytic cells) \*Mercury,  
Liquid jets, Ultrasonic radiation.

Brine was electrolyzed using the mercury cathode in  
which mercury was ejected at high speed from a capil-  
lary to form a continuous stream. An abnormally high  
current density at the cathode could be easily obtained,  
and the current density was controlled largely by the  
mercury flow rate. Electrolysis of purified sodium  
chloride solution was performed, and it was found that  
electrolysis could be carried out at sufficiently high  
(Chemistry--Physical, TT, v. 11, no. 11) (over)

TT-64-14360

- I. Title: Jet cathodes  
I. Mizuno, S.  
II. Toshima, S.

180678

Office of Technical Services

<p>Mizuno, Takashi and Kimpyo, Tadao. POLYSACCHARIDES OF THE YELLOW-TOBACCO LEAF. Pt. 2 of [A Study of] the Carbohydrates of Tobacco. [1962] 9p. 9 refs. Order from SLA \$1.10</p> <p>62-18832</p> <p>Trans. of [Nihon Nogeit-Kagakkai Shi] (Japan) 1957, v. 31, p. 830-832. Another trans. is available from K-H \$11.25 as K-H 12138 [1962] 9p.</p> <p>DESCRIPTORS: *Polysaccharides, *Tobacco, *Plants, Quantitative analysis, Chemical properties, Physical properties.</p> <p>The green leaves of the Yellow variety tobacco were extracted with hot 80% ethanol to eliminate soluble sugars, pigments, etc. The material insoluble in the solvent was partitioned into polysaccharide fractions soluble in (Chemistry-Analytical, TT, v. 9, no. 7) (over)</p>	<p>62-18832</p> <p>I. Mizuno, T. II. Kimpyo, T. III. Title: Study ...</p> <p style="text-align: center;">200516</p> <p>Office of Technical Services</p>
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AEC-tr-4482(p.261-75) Unc1.

RESEARCH ON THE ELECTROLYSIS OF TABLE SALT  
BY APPLICATION OF RADIOISOTOPES. S. Mizuno,  
S. Toshima, and O. Furukawa.

C-23 P NSA

*Second Japan Conference on  
Radioisotopes, Feb 1958*

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MIZUNO, S. and TASHIMA, S.

57-3011. On anomalous dispersion and absorption  
of electric waves at polarized electrodes. J.  
Electrochem. Sci. Japan. 18, p.215-217, 1950. (6p.)  
(LOAN COPY ONLY)

Measurement of Plasma Temperature and Ion Density, by  
Kiyoshi Murakawa, Shizuyo Mizuno, 25 pp.

JAPANESE, per, Bull Aeronautical Research Inst, Univ  
of Tokyo, Vol I, 1958, pp 153-163.

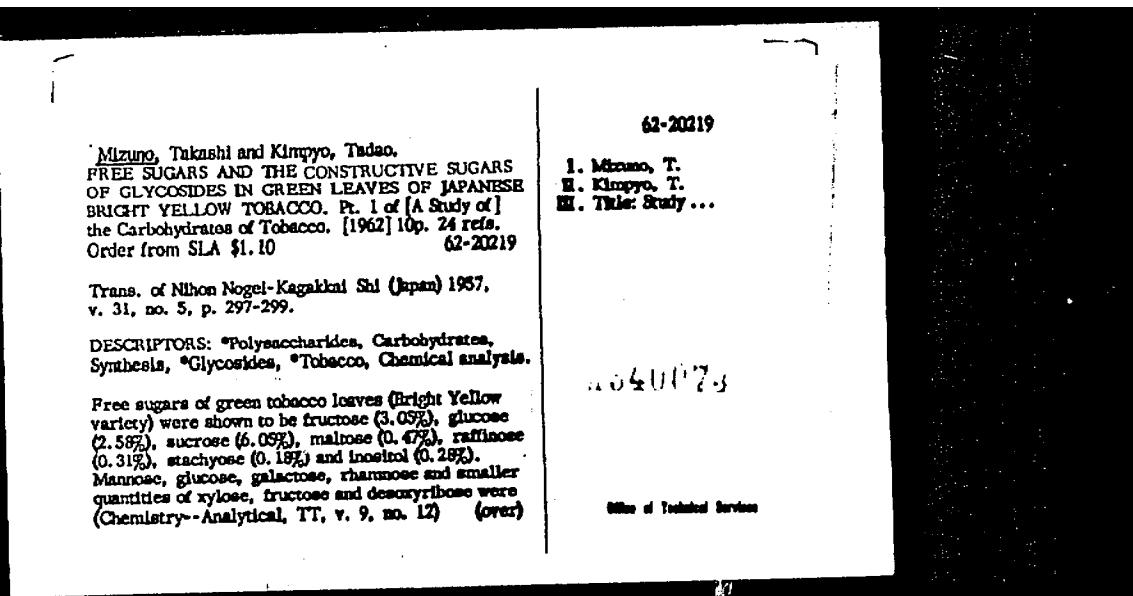
8 AMC Tr 3713

Sci - Phys

✓ Oct 59

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<p>Mizuno, T. S., Kainuma, S. and others. THE CARBOHYDRATES OF THE STEM AND THE ROOTS OF THE TOBACCO PLANT. Pt. 3 of A Study of the Carbohydrates of Tobacco. Feb 61, 16p. Order from K-H \$20.00 K-H-10521-b  Trans. of [Nihon Nogei-Kagakkai Shi] (Japan) 1958, v. 32, no. 6, p. 467-470.</p> <p>DESCRIPTORS: *Plants, *Tobacco, *Carbohydrates.</p> <p>(Biological Sciences--Biochemistry, TT, v. 8, no. 8)</p>	<p>62-17529</p> <p>I. Mizuno, T. S. II. Kainuma, S. III. Title: Study ... IV. K-H-10521-b V. Kresge-Hooker Science Library Associates, Detroit, Mich.</p> <p>0223192</p> <p>Office of Technical Services</p>
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Determination of Water Hardness Using the  
Isotope Dilution Method Estimation of Cal-  
cium, by J. Takanaka and U. Mizuno, et al,  
JRRANESE, per, Yosui To Naisui, Vol VI,  
129-N, pp 389-392. P944058367  
NSTIC Tr No 1803

U. Mizuno

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US Missile Strategy and Japan's Missile Project, by  
Mizusawa Hiroshi, 5 pp.

JAPANESE, pp, Akahata, 23, 24 Apr 1960.

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Doc No 101880 (1a)

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A Study of the Effects of Psychotherapy on  
Delinquents, by K. Mizushima, 16 pp.

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pp 381-387.

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Sci - Biol & Med  
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Electronic Interaction During Chemisorption of  
Hydrogen on Evaporated Nickel Films, by R. Suhrmann,  
Y. Mizushima, et al., 26 pp.

GERMAN, per, Zeit Physik Chem, Vol XX, 1959,  
pp 332-352.

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Sci - Phys

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A Study of Endemic Elephantiasis in Korea, Part I, Results  
of Investigation of the Chunan Prefecture, Ronzan and  
Fuyo Districts, by Prof Mizushima, Prof Matsui, 34 pp.

JAPANESE, Collection of Medical Studies.

ID GSUSA F-3385 (b)

A 7719

Oct cts

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C

Study of Endemic Elephantiasis in Korea, Part II, Survey.  
Results in Saishu Island, by Prof Mizushima, Prof Matsui,  
46 pp.

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ID GSUSA F-3385 (c)

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Effects of Structure on the Changes of Internal Friction of Some Steels Caused by an Absorbed Hydrogen, by M. Mizuta,  
JAPANESE, per, Tetsu-to-Hanga, Vol 43, 1957,  
pp 1057-1059.  
\*CFSTI TT 70-57189

Sci-Chem

June 70

M. Mizuta

A Process of the Extraction of Toluol From the  
Distillate of Aromatic Gasoline by Utilizing  
the Formation of a Mixture of Conjugated Boiling,  
by M. Mizuta, 11 pp.

JAPANESE, per, Nippon Sekiyu Kabushiki Kaisha,  
1932.

SLA Tr 2431

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Sci. - Physics  
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<p>Mizutani, Hikohiro, Nakamura, Nanao, and Kubo, Yasuo. DEVELOPMENT OF CYANOETHYLATED KRAFT PAPER AND ITS THERMAL LIFE. [1962] 20p. (20 figs. omitted) 4 refs. Order from SLA \$1.60 62-14760  Trans. of Toshiba Review (Japan) 1961 [v. 16, no. 9] p. 1161-1166.  DESCRIPTORS: *Cellulose, Processing, *Paper, Production, *Cyano radicals, *Ethylenes, Chemical reactions, Electrical properties, Stability, Tempera- ture, Insulating materials, Electric insulation.  A method for the cyanoethylation of cellulose has been described. The heat stability of cyanoethylated kraft paper has been shown to be much superior to that of normal kraft paper. The effects of the pro- (Materials--Paper, TT, v. 8, no. 9)</p>	<p>62-14760 1. Title: Permalex 2. Title: Cyanoethylation 3. Title: Kraft paper I. Mizutani, H. II. Nakamura, N. III. Kubo, Y.  C225935  Office of Technical Services</p>
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Mizutani, Kiyoshi, Shiroki, Hitaru, and Suzuki,  
Shōsaku.  
RELATIONSHIP BETWEEN DRY SPINNING CONDI-  
TIONS FOR POLYACRYLONITRILE SYSTEM FIBERS  
AND THE FIBER PROPERTIES. Rept. no. 1 on Dry-  
Spinning of Acrylic System Fibers. [1961] 14p. 6 refs.  
Order from SLA \$1.60 61-16521

Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63,  
no. 11, p. 2042-2045.

DESCRIPTORS: \*Polymers, \*Acrylonitriles, Synthetic  
fibers, Processing

Fibers which were obtained by dry-spinning dimethyl-  
formamide solutions of polyacrylonitrile or copolymers  
containing over about 94% of acrylonitrile, by passing  
them through a stainless steel nozzle into hot air, were  
studied in regard to the relationship between dye affin-  
ity and spinnability vs. dope heating method, solvent  
(Materials--Textiles, TT, v. 6, no. 6) (over)

61-16521

- I. Title: Spinning
- II. Mizutani, K.
- III. Shiroki, H.
- IV. Suzuki, S.

Office of Technical Services

<p>Mizutani, K., Shiraki, E., and Suzuki, S. EFFECTS OF CROSSLINKING TREATMENTS UPON MECHANICAL PROPERTIES OF POLYURETHANE FIBERS. [1961] 7p. Order from ATS \$10.60                           ATS-32N51J  Trans. of Kogyo Kagaku Zasshi (Japan) 1960, v. 63, no. 9, p. 1514-1516.</p> <p>(Materials--Textiles, TT, v. 5, no. 12)</p>	<p>61-22390</p> <p>I. Urethane polymers-- Mechanical properties II. Fibers--Mechanical properties I. Mizutani, K. II. Shiraki, E. III. Suzuki, S. IV. ATS-32N51J V. Associated Technical Services, Inc., East Orange, N. J.</p> <p>Office of Technical Services</p>
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Cross Linking of Polyurethane Fibres by After-treatment  
and the Resultant Change in the Mechanical Properties,  
by K. Mizutani.  
JAPANESE, per Epoxy Resin Zasshi, Vol. 63, No. 9, 1960  
pp 1514-1516  
DB 596/T.1722

K. Mizutani

Sci -  
Aug 67

338-505

Cross Linking of Polyurethane Fibres by After-Treatment  
and the Resultant Change in the Mechanical Properties,  
by K. Mizutani.  
JAPANESE, per Kogyo Kagaku Zasshi, Vol. 63, No. 9, 1960  
pp 1514-1516  
GB 256/T.1722

K. MIZUTANI

Sci -  
Aug 67

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Process for Improving Carbon Black, by  
T. Isobe, M. Mizutori, 12 pp.

JAPANESE, Patent Appln Pub No 36-9170 (1961).

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Sci - Engr  
Sept 63

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Decomposition of Hydrogen Peroxide in the Vapor Phase,  
by Eiji Mizuwatari, Shigeru Nagai, 7 pp.

Full translation.

JAPANESE, per, Repts. Inst. Chem. Research Kyoto univ.,  
Vol XVI, 1947, pp 29-31.

S.L.A.

Scientific - Chemistry

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Jul 55

<p>Mizyuk, L. Ya. METHODS OF INTERFERENCE PROTECTION IN MEASURING HARMONIC SIGNALS WITH VARYING PHASE. [1963] 31p. 3 refs, Order from OTS or SLA \$3.60</p> <p>Trans. of Akademiya Nauk SSSR. Sibirskoe Otdelenie. Izvestiya, 1961, no. 8, p. 22-35.</p> <p>DESCRIPTORS: *Measuring devices (Electrical and Electronic), Radio signals, Phase measurement, Radio interference, *Harmonic analysis, Signals, Wave transmission, Correlation techniques.</p> <p>This paper is concerned with the possibility of using correlation and integration methods to eliminate inter- ference in measuring harmonic signals with varying phase. Three methods are considered. These are: (1) Multiple Reception. Signal is received by several (Engineering--Electronic, TT, v. 10, no. 10) (over)</p>	<p>63-18011</p> <p>I. Mizyuk, L. Ya.</p> <p>1252473</p> <p>Office of Technical Services</p>	
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Measurement of the Parameters of an Elliptically  
Polarized Field in Inductive Electric Prospecting,  
by L. Ya. Mizyuk, V. M. Podzharyi, 8 pp.

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1963, pp 1050-1063.

AGU

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Miniature and Fast-acting Transistorized Self-Balancing Recorder, by V. Z. Zubov, L. Ya. Mizyuk, 11 pp.

RUSSIAN, per, Priborostroyeniye, No 6, 1961,  
pp 10-11.

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The Principles of Constructing Geophysical  
Apparatus for Electrical Surveying by the Method  
of Obtaining Frequency Characteristics, by K. B.  
Karandayev, L. Ya. Mizyuk, 3 pp.

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1960, pp 831-834.

AGI

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by L. Ya. Mil'yuk, V. I. Gol'dberg, 1961.

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An Amplitude-Phase Indicator With an Alternative Action of the Compared Voltages, by L. Yu. Mizynik, 4 pp.

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Design of Cathode Detectors, by L. Ya. Mizyuk,  
14 pp. (AF 674373)

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Sci - Electronics  
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Facts About Lung Cancer Statistics, by D. I. Mats,  
L. E. Mazyak, V. M. Uglova, A. V. Chaklin, 5 pp.

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Self-Balancing Bridge for Independent Measurement  
and Recording of the Resistive and Reactive Com-  
ponents of an Impedance, by K. B. Karandeyev,  
L. Ya. Mizyuk, G. A. Shtamberger, 3 pp.

RUSSIAN, per, Priborostroyeniye, No 6, 1960,  
pp 15-18.

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Methods and Apparatus for Airborne Electrical  
Prospecting, by L. Ya Mizyuk, 6 pp.

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Feb 61

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Transistorized DC Converters for Instrument  
Amplifiers, by K. B. Karandeyev, V. I. Gol'dgofter,  
M. G. Mizyuk, 8 pp.

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Transistorized DC Millivoltmeter, by K. V. Karandeyev,  
M. G. Mizyuk, N. I. Smirnov, 8 pp.

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Econ - Petroleum industry, oil field laboratories  
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Mkheyyan, N. Yu. Mkheyyan, & V. P.  
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The Efficient Use of Horses Which Produce Anti-tetanus Serum, by G. M. Mikhaylova, M. I. Mikitina,  
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AIR/PTD/HF-23-813-67

G. M. Mikhaylova  
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<p>Mkheyany, V. E. EFFECT OF DICHLOROBUTENE UPON SOME INDEXES OF CARBOHYDRATE METABOLISM, THE MORPHOLOGICAL COMPOSITION OF THE PERIPHERAL BLOOD, AND VARIOUS ORGANS IN ANIMALS WHEN THE TOXIN ACTS BY INHALATION OR UPON THE SKIN. [1962] [10]p. 3 refs. Order from OTS or SLA \$1.10</p> <p>Trans. of Akademiya Nauk Armyanskoi SSR [Erevan]. Izvestiya. Biologicheskie [i Sel'skokhozyaistvennye] Nauki, 1959, v. 12, no. 3, p. 85-93.</p> <p>DESCRIPTORS: *Chlorides, Butenes, *Carbohydrates, *Metabolism, Morphology, Blood, Animals, *Inhalation, Skin, Poisonous gases, Poisons, Industrial production, *Synthetic rubber, *Toxicity, Blood chemistry, Leukocytes. (Biological Sciences--Toxicology, TT, v. 9, no. 6)</p>	<p>62-25112 I. Mkheyany, V. E. II. Translations, New York  230235  Office of Technical Services</p>
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Sci - Phys  
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Mihayyan, A. M.

Experiments on the Use of Nanomolecular  
Films for the Purpose of Reducing Evapora-  
tion Conducted on the Shores of Lake Sevan,  
by V. S. Nakarova, A. N. Mkhitarian, 39 pp.  
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Sovetskaya Nauka, Vol XIV, No 3, 1961, pp 43-57.  
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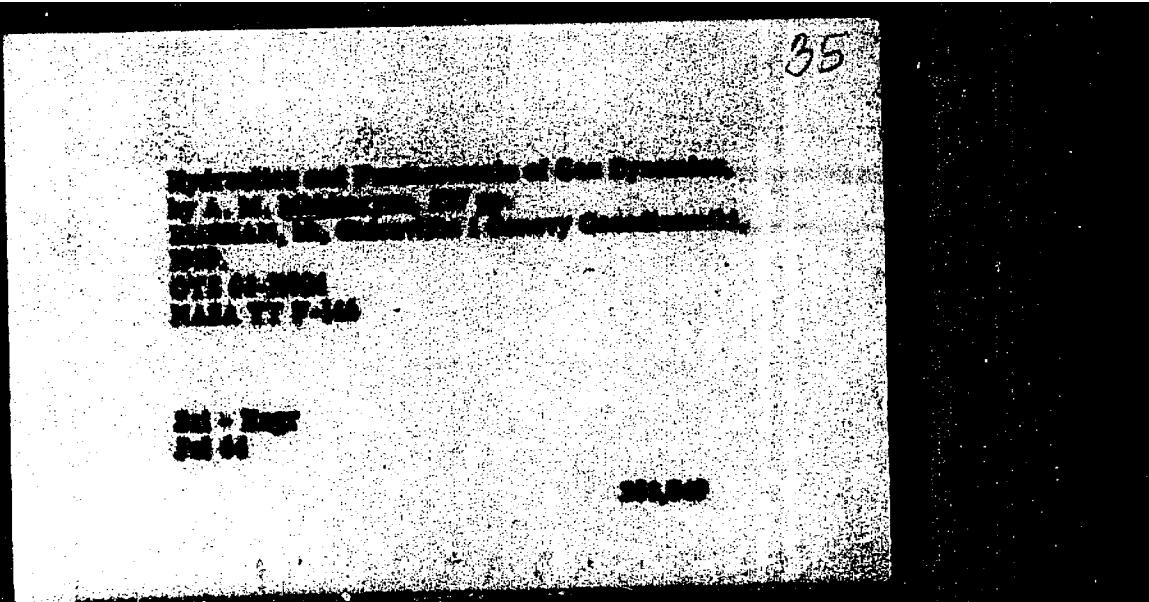
Experimental Study of Flow in the Initial Section  
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A. M. Mkhitaryan, Iz Vysashikh Ucheb Zaved, Aviats  
Tekh, No 4, 1961, pp 111-119.

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Method of Investigating Boundary Layer in  
a Few Type Working Section, by  
A. M. Mkhitaryan, V. S. Maksimov,  
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Experimental Production of Rust-Resistant  
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Ways of Developing Wheat Varieties Resistant to  
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The Use of Tetraethylammonium Hydroxide for the  
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Non-Aqueous Solutions, by A. P. Kreshkov, L. N.  
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Study of the Reaction Between Ammonia and Zinc  
Chloride in Aqueous Medium, by G. G. Urazov,  
A. K. Kirakosyan, R. S. Mkhitaryan, 4 pp.

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Economic - Petroleum

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Effect of Ionizing Radiation on the Uric Acid and  
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Animals, by T. A. Fedorova, V. P. Fedotov, N. A.  
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M. Metychov

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National Economy, by V. Mikhalev, N. Nikityuk,  
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Moscow, Sov. Foreign Trade, 1961, No. 3  
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M. Nikityuk

Ref - 106  
May 67

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"Nuclear reactions", by Mkrtchyan, M., 10 pp.

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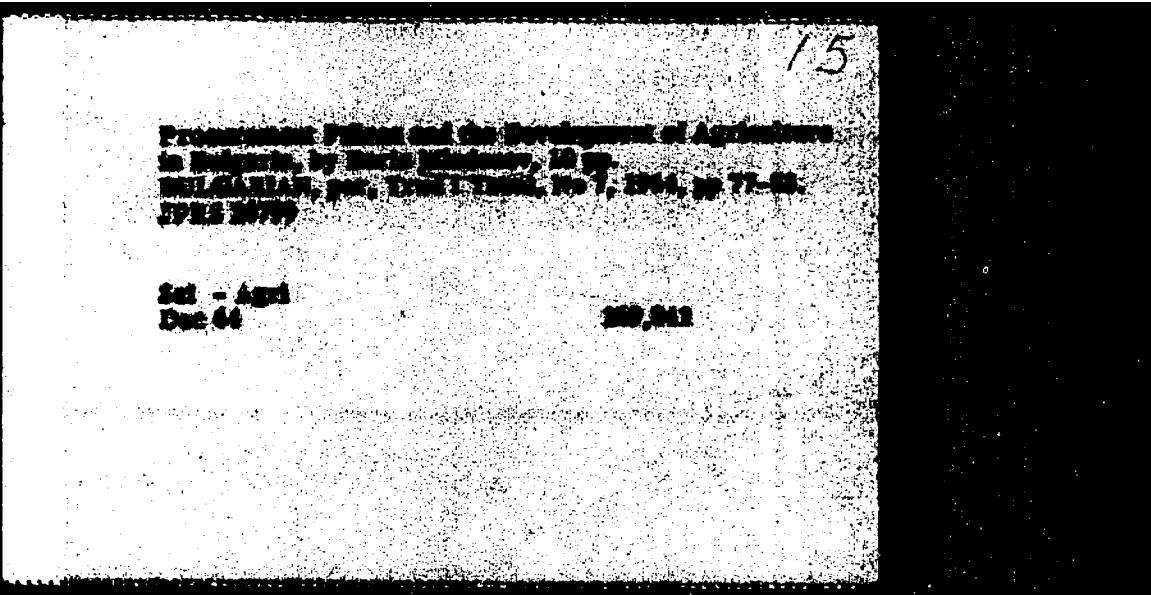
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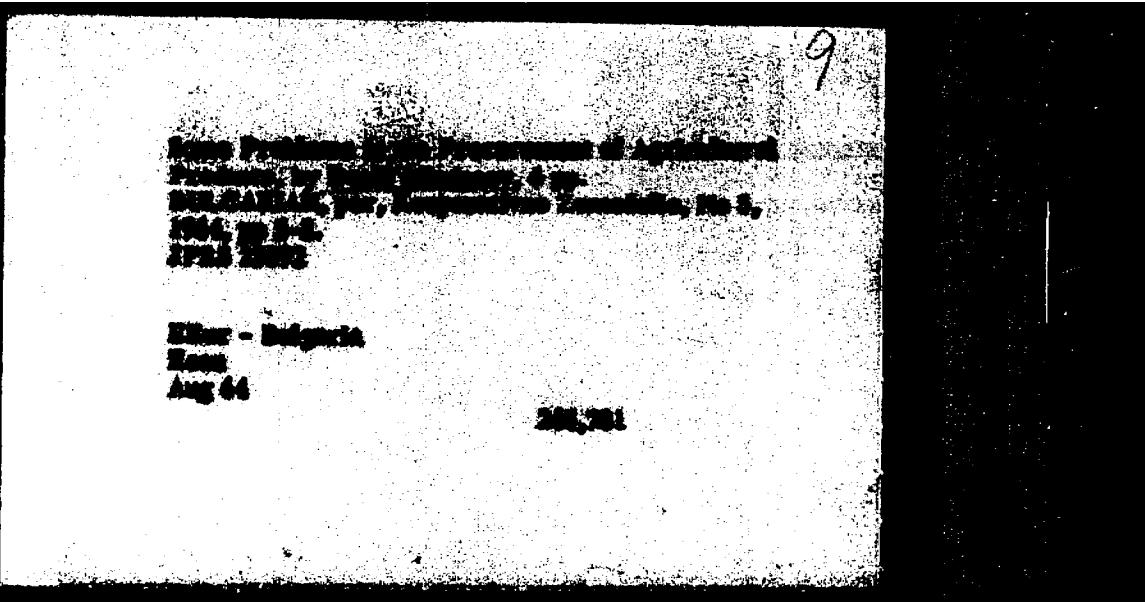
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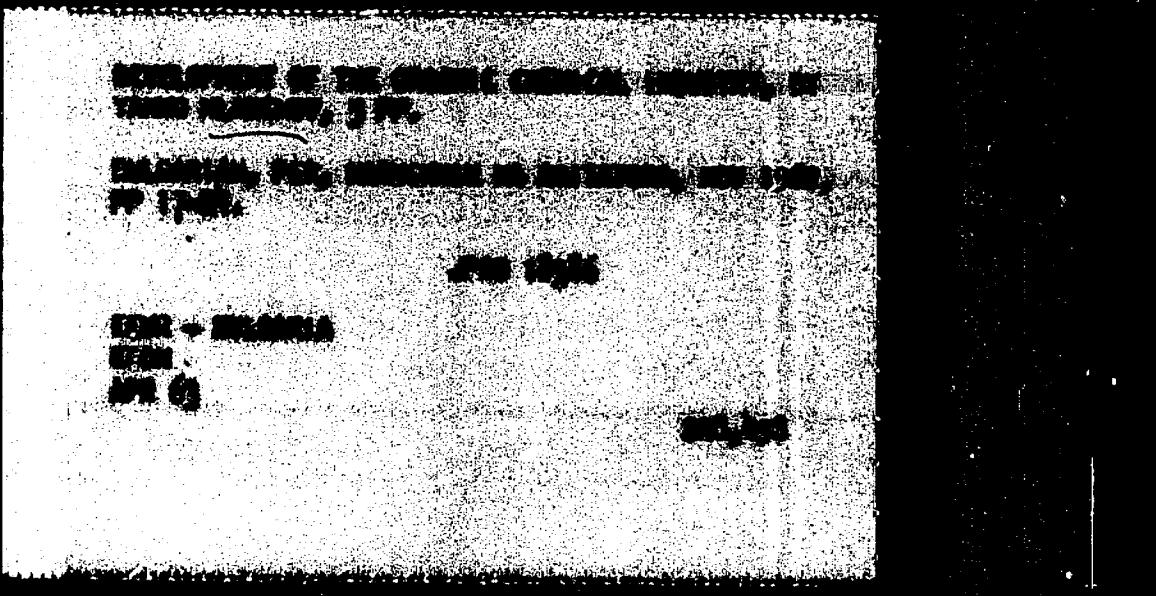
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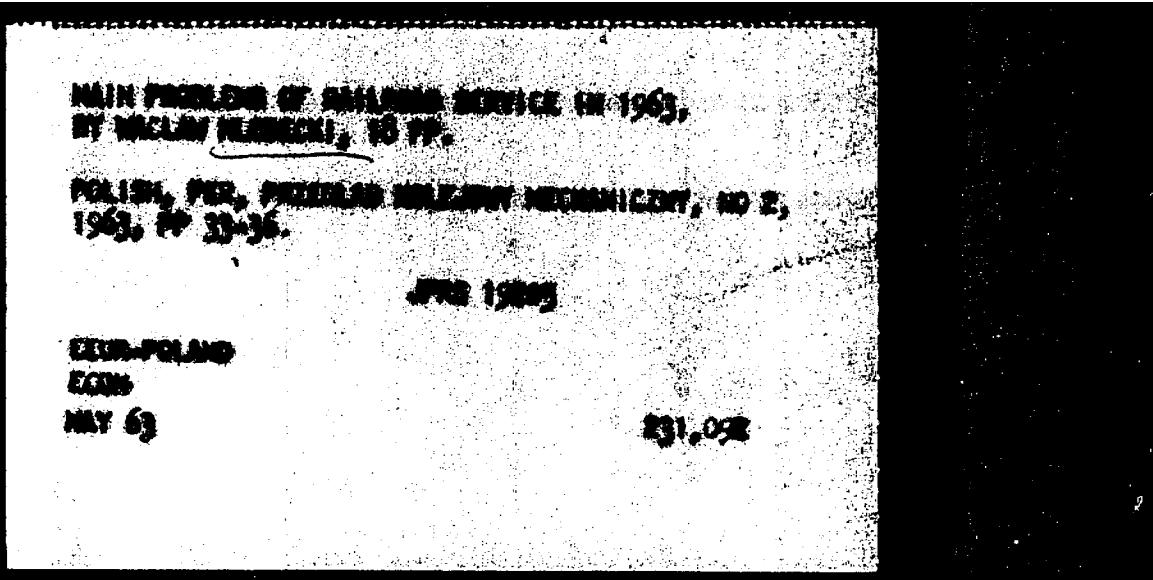
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